

**EG&G ROCKY FLATS**

EG&amp;G ROCKY FLATS, INC.

ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

90 RF 1601

April 12, 1990

90-RF-1601

Robert M. Nelson, Jr.  
Manager  
DOE, RFO

Attn.: J. Roeder

**OU 2: INTERIM MEASURES/INTERIM REMEDIAL ACTION FOR SURFACE WATER**

Pursuant to our meeting on Monday, April 9, 1990 with EPA and CDH regarding an Interim Measures/Interim Remedial Action (IM/IRA) for surface water, EG&G has developed a proposed program for implementing a Surface Water Interim Remedial Action (SW IRA) for this Operable Unit (OU) on a schedule which we believe will be responsive to EPA/CDH schedule requirements. The limited amount of time between April 9, 1990 and today, along with other on-going and short-term claims on our staff have limited the extent of internal and peer review of this plan, so a detailed schedule of elements, linkages and time requirements will not be available until April 30, 1990.

We can meet the required December 30, 1990 start-up date by constructing a Surface Water collection system on South Walnut Creek to pick up SW 59, 60 and 61 flows and by conducting field treatability studies using a full size skid mounted treatment unit. In addition, the program includes the design and construction of the surface water source collection system (bringing the smaller seeps near 903 Pad and the remaining agreed-upon sources) into the treatment plant by Spring of 1991.

Thus, approximately 2/3 of the agreed-upon flow rate would be in treatment by the end of the year, while the more complex matter of collecting numerous small flows would be done approximately five (5) months later. The schedule is aggressive and implicitly assumes the following:

-the treatment system will be skid mounted and be composed of operationally simple units for removal of solids (microstrainer or tube settler), radionuclides and trace metals (ion exchange), and volatile organic compounds (activated carbon);

-treatment system will have a capacity of 20 GPM.

-the full scale treatment system and the surface water collection system for upper South Walnut Creek can be installed as a treatability study pilot system prior to completion of the NEPA process;

-the NEPA process should be completed by DOE no later than four weeks after receipt of responsiveness summary for public comments on the IM/IRA Plan.

DIST.	LTR	ENCL
ALLHOFF, F.H.		
BREEN, J.H.		
BRETZKE, J.C.		
BURLINGAME, A.H.		
DAVIS, J.G.		
FERRERA, D.W.		
FERRIS, L.B.		
FRANCIS, G.E.		
GOODWIN, R.		
HEALY, T.J.		
IDECKER, E.H.		
KERSH, J.M.	X	
KIRBY, W.A.		
MAJESTIC, J.R.		
McKINLEY, K.B.	X	
MELLEN, J.B.		
PARNELL, R.F.		
POTTER, G.L.		
RHOODES, J.L.		
RISNER, V.L.		
SANFORD, T.H.		
SHANNON, W.M.		
VAN LEUVEN, D.B.		
WARNER, B.P.		
YOUNG, E.R.		
BETCHER, D.H.		
CARNIVAL, G.J.		
HARMAN, L.K.		
HEBERT, J.L.		
HOFFMAN, R.B.		
KLAMMAN, R.L.		
KRIEG, D.M.		
LOUDENBERG, G.E.		
NAIMON, E.R.		
NEWBY, R.L.		
TURNER, H.L.		
VELASQUEZ, R.N.		
GREENGARDT, J.	X	
ANDERSON, G.A.	X	
CORRES. CONTROL	X	X
CONTRACT ADMIN.		

## CLASSIFICATION:

UCNI	
UNCLASSIFIED	X
CONFIDENTIAL	X
SECRET	

AUTHORIZED CLASSIFIER  
SIGNATURE

4/12/90

Date

IN REPLY TO LTR NO.

PCB

LTR APPROVALS:  
TCG  
KBM  
ORIG & TYPIST INITIALS  
5/4/90

ADMIN RECORD

REVIEWED FOR CLASSIFICATION/UCNI

By J. RoederDate 4/12/90

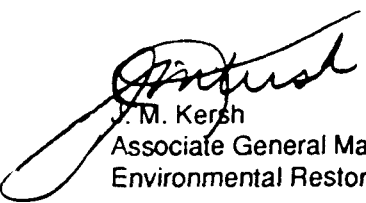
A-DU02-000215

-the design and specifications for the pilot treatment system will not be formally reviewed by the regulatory agencies before it is installed (can be reviewed during the Title 1 and 2 designs);

-eight weeks are necessary for installation of the pilot treatment system.

-the Title 1 design for the complete surface water collection system can proceed after resolution of EPA and CDH comments on the IM/IRA Plan (i.e., public comments will not change the overall concept design agreed upon with the regulatory agencies); and procurement of a contractor for the other surface water collection and conveyance systems can begin (November 26, 1990) before the NEPA process is completed (December 30, 1990).

We believe that this schedule will show DOE's commitment to be responsive to the needs of EPA/CDH, while providing a mechanism to adhere to DOE's commitment to the NEPA process and to quality control in the design and construction aspects of the project.



J. M. Kersh  
Associate General Manager  
Environmental Restoration and Waste Management

TCG:sf

Orig. and 1 cc - R. M. Nelson, Jr.